## **CLAIMS**

What is claimed is:

1	1. A method of coating a substrate, comprising:
2	providing a substrate having a surface;
3	forming a polymeric layer on the surface of the substrate by applying
4	a layer of a polymeric precursor to at least a portion of the surface;
5	polymerizing the polymeric precursor to form a polymerized layer; and
6	applying a metal coating to at least a portion of the polymerized layer;
7	wherein the metal coating is applied under sub-atmospheric conditions.
1	2. The method of claim 1, wherein the step of applying the layer of the
2	polymeric precursor is performed using in electrophoresis process.
1	3. The method of claim 2, wherein the step of forming the polymerized
2	layer includes elevating the temperature of the polymeric precursor to a temperature
3	of at least about 320°F.
,	
1	4. The method of claim/2, wherein the polymeric precursor is selected
2	from the group consisting of acrylics, epoxies, urethanes, and combinations thereof.
	•
1	5. The method of claim 1, wherein the substrate is porous, and further
2	comprising leveling the surface of the substrate before the step of applying the metal
الطلا	coating.
11/	6. The method of claim 5, wherein the metal coating is applied using a
2	physical vapor deposition method.

7.

1

2

The method of claim 6, further comprising the step of removing a

polymeric coating over the layer of metal.

1	15. A method comprising:
2	forming a polymeric coating from an electrophoretically applied
3	polymeric precursor and applying a layer of metal over the polymeric coating using
4	a physical vapor deposition process.
1	16. An article having a porous surface, comprising:
2	an electrophoretically applied first polymeric layer overlaying and in
3	direct contact with the porous surface; and
4	a metallic layer overlaying the first polymeric layer.
1	17. The article of claim 16, further comprising:
2	a second electrophoretically applied polymeric layer overlaying and in
3	direct contact with the metallic layer.
1	18. The article of claim 16, wherein the article is selected from the group
2	consisting of plumbing fixtures, jewelry, and utensils.
1	19. The article of claim 17, wherein the article is selected from the group
2	consisting of plumbing fixtures, jewelry, and utensils.
1	20. The article of claim 16, wherein the polymeric layer is a dielectric
2	layer.
1	21. The article of claim 16, wherein the metallic layer is chrome.
1	22. The article of claim 16, wherein the first polymeric layer has a
2	thickness ranging from about 1 millimeter to about 40 millimeters.

2

1 23. The article of claim 16, wherein the metal layer has a thickness ranging 2 from about 0.1 millimeter to about 3 millimeters.

1 24. The article of claim 23 wherein the second polymeric layer has a

thickness ranging from about 1 millimeter to about 40 millimeters.

add 3